1					PTO/SB/05 (08-00)		
Please type a plus sign	(+) in this box U.S. Pate	ent and Tra	demark Office;	U.S. DEPAR	/21/2002. OMB 0651-0032 TMENT OF COMMERCE		
	n act of 1995, no persona are required to respond UTILITY		Docket No.	14934US			
	T APPLICATION	First Inve	entor	Houghton			
TR	ANSMITTAL	Title					
Only for new nonprovision	onal applications under 37 CFR 1.53(b))	Express Mail Label No.   EV 329 160 276 US					
APPLIC	CATION ELEMENTS  uncerning utility patent application contents.	ADDRESS TO:  Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA. 22313-1450					
	al Form (e.g., PTO/SB/17)	CD-Rom or CD-R in duplicate, large table or					
Applicant claim	and a duplicate for fee processing) ns small entity status.	— Computer Frogram (Appendix)					
2. See 37 CFR 1	.27.	Nucleotide and/or Amino Acid sequence Submission     (if applicable, all necessary)					
3. Specification (preferred arrangen	[Total Pages 25] nent set forth below)	a. 🗌	Computer Rea	dable Form	(CRF)		
	le of the invention	b. Sp	ecification Se	•	-		
	nce to Related Applications garding Fed sponsored R&D		[ - 7	M or CD-R (2	copies); or		
-Reference to program listin	sequence listing, a table, or a computer		ii paper				
-Background o	f the Invention	с. 🗍	Statements ve	rifying identit	y of above copies		
-Brief Descripti -Detailed Desc	ion of the Drawings (if filed) ription	A			CATION PARTS		
-Claim(s) -Abstract of the	- Disclosure	9. 🗍	Assignment P	apers (cover	sheet & documents(s))		
4. Drawing(s) (35		10.	37 CFR 3.73( (when there is				
5. Oath or Declaration	[Total Pages 3 ]	11. English Translation Document (if applicable)					
a. Newly execute	ed (original or copy)	12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations					
	orior application (37 CFR 1.63(d)) in/divisional with Box 18 completed)	13. Preliminary Amendment					
i DELETIC	ON OF INVENTORS tement attached deleting inventor(s)	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)					
named in ti	ne prior application, see 37 CFR	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)					
1.63(d)(2) a	and 1.33(b).	Request and Certification under 35 U.S.C. 122(b)					
<del></del>	a Sheet. See 37 CFR 1.76	its equivalent.					
		17. Other:					
18. If a CONTINUING AF amendment, or in an App Continuation	PPLICATION, check appropriate box, and dication Data Sheet under 37 CFR 1.76:	d supply the	•	nation below prior applicat	· ·		
Prior application informat			Group/ARt Unit:	Prince Splenous			
For CONTINUATION OR DIVI	SIONAL APPS only: The entire disclosure of the	e prior applica	ation, from which				
	e disclosure of the accompanying continuation ied upon when a portion has been inadvertent!	y omitted from	n the submitted a				
	18. CORRESPONI	DENCE AD	DRESS				
Customer Number or Bar Code Label  23446  PATENT TRADEMARK OFFICE							
Name							
Address							
City	State		Z	Zip Code			
Country	Telephone		F	ax			
Name (Dist)	W : E B						
Name (Print/type) Signature	Kevin E. Borg	Registra	tion No. (Attor	ney/Agent)	51,486 to 7-18-03		



PTO/SB/17 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
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## **FEE TRANSMITTAL** for FY 2003

Patent Fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)870.00

Complete if Known					
Application Number	Not Assigned				
Filing Date	Herewith				
First Named Inventor	Houghton				
Examiner Name	Not Assigned				
Group Art Unit	Not Assigned				
Attorney Docket No.	14934US01				

METHOD OF PAYMENT					FEE CALCULATION (continued)							
1.   The Commissioner is hereby authorized to charge indicated fees and					3. ADDITIONAL FEES							
credit any overpayments to:			1									
Deposit						7	ļ	Large Entity		Entit		
Account				13-0017		ļ	Fee	Fee	Fee	Fee	•	Fee
Number						_	Code	(\$)	Code		Fee Description	Paid
Deposit		1.4	-And	trowe Hold & M	Mallov		1051	130	2051	65	Surcharge - late filing fee or oath	<b>  </b>
Account McAndrews Held & Malloy					1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	]		
Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17			J				Silect	]				
				Il entity status.			1053	130	1053	130	Non-English specification	
	37 CFF											<b></b>
2. ☑ Payment Enclosed:				1812	_,	1812 1804	2,520 920*	For filing a request for ex parte reexamination	<del>  </del>			
☑ Check ☐ Credit Card ☐ Money Order ☐ Other					1804	920-	1804	920-	Requesting publication of SIR prior to Examiner action			
		FI	EE	CALCULATI	ON		1805	1,840	*1805	1,840*	Requesting publication of SIR after Examiner action	
1. BASIC FII							ļ					
Large Entit			itity Fee	Fee Description			1251	110	2251	55	Extension for reply within first month	
Fee Fee Code (\$)		de '		ree Description		Fee Paid	1252	410	2252	205	Extension for reply within second month	<b></b>
1001 75		01 :		Utility filing Fee		750.00	1253	930	2253	465	Extension for reply within third month	
1002 33		02		Design filing Fee		755.55	1254		2254	725	Extension for reply within fourth month	
		_		•			1255 1401	320	2255 2401	985 160	Extension for reply within fifth month Notice of Appeal	<del>  </del>
1003 52		3 :		Plant filing fee			1401	320	2402	160	Filing a brief in support of an appeal	<del></del>
1004 75	0 200	)4	375	Reissue filing fee		الـــا	1403	280	2403	140	Request for oral hearing	
1005 16	0 20	05	80	Provisional filing f	ee		1451		1451	1510	Petition to institute a public use proceeding	
1							1452	110	2452	55	Petition to revive - unavoidable	
l					SUBTOTAL.	(1) (\$)750.00	1453	1,300	2453	650	Petition to revive - unintentional	
2 EYTPA CI	2. EXTRA CLAIM FEES				1501	1,300	2501	650	Utility issue fee (or reissue)			
2. 2	, ((III. )				Fee from		1502	470	2502	235	Design issue fee	
Į				Extra Claims	below	Fee Paid	1503	610	2503	315	Plant issue fee	
Total Claims	53	- 20	)** =	Ðχ	18,00 =	36.00	1460	130	1460	130	Petitions to the Commissioner	
Independent				8"	(10,00	20,00	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	<del></del>
Claims	4-	3**	=	П×	84.00 =	84.00	1806	180	1806	180	Submission of Information Disclosure Stmt	<del></del>
Multiple Depe	ndent			5	=		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
Large Entit	y Smai						1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
Fee Fee Code (\$)		l l de	Fee (\$)	Fee Description			1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1202 18	220	02	9	Claims in excess	of 20		1801	750	2801	375	Request for Continued Examination (RCE)	<b> </b>
1201 84	220	)1	42	Independent clain	ns in excess o	f 3	1802	900	1802	900	Request for expedited examination of a design application	}
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**or number previously paid, if greater; For Reissues, see above				Redu	сеа ву	basic Fil	ing Fee F	Paid SUBTOTAL (3) (\$				

SUBMITTED BY Complete (if applicable)								
Name (Print/Type)	Kevin E. Borg	Registration No. (Attorney or Agent)	51,486	Telephone	312-775-8000			
Signature	رک. و	. R		Date	7-18-03			